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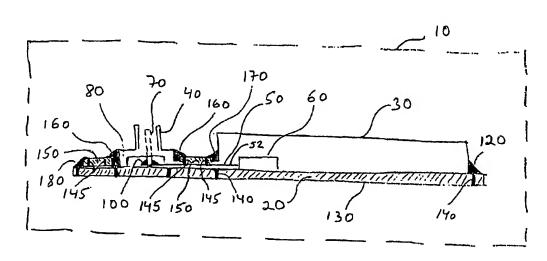
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(54) Title: LOW EMI WITH HIGH MECHANICAL STRENGTH METHOD OF CONNECTING SIGNAL CONNECTIONS



(57) Abstract: A Low cost apparatus and method of electromagnetic interference (EMI) shielding of connections between signal lines to connectors on a printed circuit board (PCB) is disclosed. The is achieved by constructing an enclosed shield (30) around the connector (40) and around the signal feed line (50) on the main PCB (20), by means of an auxiliary PCB (150) around the connector (40) and on top of the line (50), providing the top side ground plane. Copper on the underside of the auxiliary PCB (150) is etched away to provide electrical isolation of the signal line from the ground.

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